

REMARKS

By this amendment, claims 67-82, 86-89, and 92-97 have been amended. New claims 99-144 have been added. Claims 67-82, 86-89, and 92-144 are pending in the application. Applicant reserves the right to pursue the original claims and other claims in this and other applications.

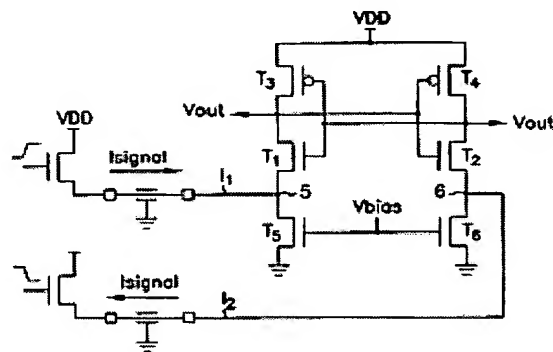
Claims 68-82, 86, 89, and 93-97 have been amended in minor fashion and are in condition for allowance.

Claims 67-82, 86-89 and 98 stand rejected under 35 U.S.C. 103(a) as being unpatentable over APA (Forbes, US 6,377,084) in view of Muto (JP 11-026593) and further in view of Mirov (US 6,008,682). This rejection is respectfully traversed.

Claim 67, as amended, recites a signal transmission system comprising, *inter alia*, "a pair of cross-coupled amplifiers; a first transmission member having a first length and an impedance less than 100 ohms, the first transmission member coupled to a first of the pair of cross-coupled amplifiers; [and] a second transmission member having a second length, the second transmission member coupled to a second of the pair of cross-coupled amplifiers." (emphasis added). Claim 87 recites similar limitations. Claim 88, as amended, recites a signal transmission system comprising, *inter alia*, "a first transmission member ...; a second transmission member ...; [and] a pair of cross-coupled amplifiers, a first of the pair of cross-coupled amplifiers coupled to the first transmission member, a second of the pair of cross-coupled amplifiers coupled to the second transmission member" (emphasis added). Applicant respectfully submits that APA does not teach or suggest these limitations.

To the contrary, APA teaches in prior art FIG. 2 (reproduced below) only a single differential current sense amplifier, which cannot read on the multiple amplifiers of the

APA FIG. 2



Claim 92, as amended, recites a method of synchronizing first and second operations of respective first and second cross-coupled amplifiers comprising, *inter alia*, “receiving a first signal transition at the first cross-coupled amplifier from a first signal

source through a first transmission member ...; [and] receiving a second signal transition at the second cross-coupled amplifier from a second signal source through a second transmission member” (emphasis added). Muto does not teach or suggest these limitations.

To the contrary, Muto teaches in FIG. 2 only a single output circuit 17, which cannot read on the multiple amplifiers of the claimed invention. Applicants respectfully submit that APA does not disclose, teach, or suggest first and second cross-coupled amplifiers, as recited in claim 92. Mirov is neither cited for, nor do it teach or suggest, these limitations. Thus, Mirov does not remedy the deficiencies of Muto.

Since Muto and Mirov do not teach or suggest all of the limitations of claim 92, claim 92 and dependent claims 93-97 are not obvious over the cited references. Applicant respectfully requests that the 35 U.S.C. § 103(a) rejection of claims 92-97 be withdrawn.

New claims 99-144 include cross-coupled amplifiers, as well as other patentable features. Accordingly, Applicant respectfully submits that the new claims are in condition for allowance.

Reply to Non-Final Office Action dated September 13, 2006

In view of the above, Applicant believes the pending application is in condition for allowance.

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Respectfully submitted,

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